LISTING OF THE CLAIMS:

1. (Currently amended): A method in a data processing system for maintaining data integrity in logs, the method comprising:

reviewing a log, wherein the log includes a set of time segments, and wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the set of time segments include at least one time segment defined by a user;

determining whether the log contains a data loss, wherein the determining step includes analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average; and

adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

2. (Canceled)

3. (Original): The method of claim 1, wherein the data added to replace the data loss comprises data derived from a prior log.

4. (Original): The method of claim 1, wherein the data added to replace the data loss comprises data derived from a set of prior logs.

5. (Previously presented): The method of claim 1, wherein the log includes data indicating at least one of requests, page views, and sessions.

6. (Previously presented): The method of claim 1, wherein the analyzing step includes considering data in at least one time segment adjacent to a time segment being analyzed.

7. (Original): The method of claim 1, wherein the log is a Web server log.

8. (Currently amended): A method in a data processing system for analyzing a log, the method comprising:

analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average, and wherein the set of time segments include at least one time segment defined by a user; and

responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, generating an alert.

9. (Previously presented): The method of claim 8 further comprising:

responsive to detecting the alert, adding data to the time segment within the set of time segments to increase the data integrity of the log.

10. (Original): The method of claim 8, wherein the alert is presented on a user interface.

11. (Original): The method of claim 8, wherein the alert is a flag used by a program to process the log.

12. (Original): The method of claim 8 further comprising:

calculating a data integrity level for the log.

13. (Previously presented): The method of claim 8, wherein the set of time segments include data for at least one of requests, page views, and sessions.

14. (Currently amended): A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to review a log, wherein the log includes a set of time segments, and wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the set of time segments include at least one time segment defined by a user; determine whether the log contains a data loss by analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average; and add data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

15. (Currently amended): A data processing system comprising:

a bus system;

a communications unit connected to the bus system;

a memory connected to the bus system, wherein the memory includes a set of instructions; and

a processing unit connected to the bus system, wherein the processing unit executes the set of instructions to analyze a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average, and wherein the set of time

segments include at least one time segment defined by a user; and generate an alert in response to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments.

16. (Currently amended): A data processing system for maintaining data integrity in logs, the data processing system comprising:

reviewing means for reviewing a log, wherein the log includes a set of time segments, and wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the set of time segments include at least one time segment defined by a user;

determining means for determining whether the log contains a data loss by analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average; and

adding means for adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

17. (Canceled)

18. (Original): The data processing system of claim 16, wherein the data added to replace the data loss comprises data derived from a prior log.

19. (Original): The data processing system of claim 16, wherein the data added to replace the data loss comprises data derived from a set of prior logs.

20. (Previously presented): The data processing system of claim 16, wherein the log includes data indicating at least one of requests, page views, and sessions.

21. (Previously presented): The data processing system of claim 16 , wherein the analyzing means includes considering data in at least one time segment adjacent to a time segment being analyzed.

22. (Original): The data processing system of claim 16, wherein the log is a Web server log.

23. (Currently amended): A data processing system for analyzing a log, the data processing system comprising:

analyzing means for analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average, and wherein the set of time segments include at least one time segment defined by a user; and

generating means, responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, for generating an alert.

24. (Previously presented): The data processing system of claim 23 further comprising:

adding means, responsive to detecting the alert, for adding data to the time segment within the set of time segments to increase the data integrity of the log.

25. (Original): The data processing system of claim 23, wherein the alert is presented on a user interface.

26. (Original): The data processing system of claim 23, wherein the alert is a flag used by a program to process the log.

27. (Original): The data processing system of claim 23 further comprising:

calculating means for calculating a data integrity level for the log.

28. (Previously presented): The data processing system of claim 23, wherein the set of time segments include data for at least one of requests, page views, and sessions.

29. (Currently amended): A computer program product in a computer readable medium for maintaining data integrity in logs, the computer program product comprising:

first instructions for reviewing a log, wherein the log includes a set of time segments, and wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the set of time segments include at least one time segment defined by a user;

second instructions for determining whether the log contains a data loss by analyzing each time segment within the set of time segments to determine whether a time segment gap tolerance has been exceeded, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average; and

third instructions for adding data to replace the data loss in the log to increase integrity of the log if a determination is made that a data loss has occurred.

30. (Canceled)

31. (Original): The computer program product of claim 29, wherein the data added to replace the data loss comprises data derived from a prior log.

32. (Original): The computer program product of claim 29, wherein the data added to replace the data loss comprises data derived from a set of prior logs.

33. (Previously presented): The computer program product of claim 29, wherein the log includes data indicating at least one of requests, page views, and sessions.

34. (Previously presented): The computer program product of claim 29, wherein the sub-instructions includes considering data in at least one time segment adjacent to a time segment being analyzed.

35. (Original): The computer program product of claim 29, wherein the log is a Web server log.

36. (Currently amended): A computer program product in a computer readable medium for analyzing a log, the computer program product comprising:

first instructions for analyzing a set of time segments in the log to determine whether a time gap tolerance has been exceeded for a time segment within the set of time segments, wherein each time segment within the set of time segments is determined by successively comparing the average time gaps of adjacent predetermined chunks of time, and wherein the time segment gap tolerance is determined by multiplying a total number of clean logs by a standard deviation of a time gap average for the total number of clean logs and adding that product to the time gap average, and wherein the set of time segments include at least one time segment defined by a user; and

second instructions, responsive to a determination that the time gap tolerance has been exceeded for the time segment within the set of time segments, for generating an alert.

37. (Previously presented): The computer program product of claim 36 further comprising:

third instructions, responsive to detecting the alert, for adding data to the time segment within the set of time segments to increase the data integrity of the log.

38. (Original): The computer program product of claim 36, wherein the alert is presented on a user interface.

39. (Original): The computer program product of claim 36, wherein the alert is a flag used by a program to process the log.

40. (Original): The computer program product of claim 36 further comprising: third instructions for calculating a data integrity level for the log.

41. (Previously presented): The computer program product of claim 36, wherein the set of time segments include data for at least one of requests, page views, and sessions.